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Application Number	09/729,810
Filing Date	December 4, 2000
First Named Inventor	Victor Shao
Group Art Unit	2141
Examiner Name	Quang N. Nguyen
Total Number of Pages in This Submission	25
Attorney Docket Number	50277-1524

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Hickman Palermo Truong & Becker LLP
Signature	Christopher J. Brokaw, Reg. No. 45,620
Date	October 13, 2005

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TOTAL AMOUNT OF PAYMENT (\$)**500.00**

Complete if Known

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First Named Inventor	Victor Shao, et al.
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METHOD OF PAYMENT (check one)

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FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1251	120	2251	60	Extension for reply within first month	
1252	450	2252	225	Extension for reply within second month	
1253	1,020	2253	510	Extension for reply within third month	
1254	1,590	2254	795	Extension for reply within fourth month	
1255	2,160	2255	1,080	Extension for reply within fifth month	
1401	500	2401	250	Notice of Appeal	
1402	500	2402	250	Filing a brief in support of an appeal	\$500.00
1452	500	2452	250	Petition to revive - unavoidable	
1453	1,500	2453	750	Petition to revive - unintentional	
1501	1,400	2501	700	Utility issue fee (or reissue)	
1502	800	2502	400	Design issue fee	
1504	300	2504	300	Publication Fee	
1462	400	1462	400	Petitions Director not specifically provided for Group I	
1463	200	1463	200	Petitions Director not specifically provided for Group II	
1464	130	1464	130	Petitions Director not specifically provided for Group III	
1806	180	1806	180	Submission of information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	790	2809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	
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FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
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1111	500	2111	250	Utility Search fee	
1311	200	2311	100	Utility Examination fee	
1081	250	2081	125	Utility Application Size Fee	
1005	200	2005	100	Provisional Application Fee	
1085	250	20835	125	Provisional Application Size Fee	
SUBTOTAL (1)					(\$) 0.00

2. EXTRA CLAIM FEES

	Highest Paid Claims	Extra Claims	Fee from Below	Fee Paid
Total Claims	20**=	0	50.00	0.00
Independent Claims	3**=	0	200.00	0.00
Multiple Dependent				

**or number previously paid, if greater; For Reissues, see below

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1202	50	2202	25	Claims in excess of 20
1201	200	2201	100	Independent claims in excess of 3
1203	360	2203	180	Multiple dependent claim, if not paid
1204	200	2204	100	**Reissue independent claims over original patent
1205	50	2205	25	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)**0.00**

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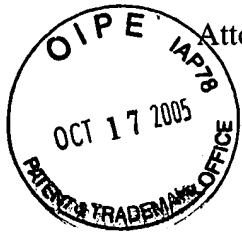
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SUBMITTED BY

Name (Print/Type)	Christopher J. Brokaw	Registration No. (Attorney/Agent)	45,620	Telephone	(408) 414-1225
Signature		Date	October 13, 2005		

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES**

In re application of:

Victor Shao et al.

Serial No.: 09/729,810

Filed: December 4, 2000

For: SHARING INFORMATION ACROSS WIRELESS CONTENT PROVIDERS

Confirmation No. 9258

Group Art Unit No.: 2141

Examiner: Quang N. Nguyen

Mail Stop Appeal Brief – Patents
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

APPEAL BRIEF

Sir:

This Appeal Brief is submitted in support of the Notice of Appeal filed on August 10, 2005.

I. REAL PARTY IN INTEREST

Oracle International Corporation is the real party in interest.

II. RELATED APPEALS AND INTERFERENCES

Appellants are unaware of any related appeals or interferences.

III. STATUS OF CLAIMS

Claims 1, 3-13, 15, 20-21, 23-33, 35, and 40-42 are pending in this application, were finally rejected, and are the subject of this appeal. Claims 2, 14, 16-19, 22, 34, and 36-39 were cancelled during prosecution.

IV. STATUS OF AMENDMENTS

No amendments were filed after the final Office Action.

V. SUMMARY OF CLAIMED SUBJECT MATTER

The present application contains independent Claims 1 and 21. These independent claims recite similar limitations, except in the context of a method and a computer-readable medium, respectively. Claims 1 and 21 are directed generally to an approach for reducing the amount of user input required to access a plurality of services provided to a device.

According to the approach recited in Claims 1 and 21, data records, which contain a plurality of data items associated with a particular type of information, are stored external to a device and separate from a first service. The step of storing the data records comprises (a) receiving content, provided by one or more services, in response to being requested by the device, (b) parsing the content in an attempt to identify one or more data items associated with the particular type of information, and (c) when one or more data items are identified, generating one or more data records that contain the one or more data items.

A first message, from the device, requesting a first service is received. The first service requires the particular type of information for input. The data records are read and

data is transmitted to the device to cause the device to present a user interface that allows a particular data item, of the plurality of data items, to be selected. A second message that indicates a selection from the device of the particular data item is received. The particular data item is then sent to the first service.

Advantageously, the approach of Claim 1 allows a user to use a plurality of services, which each require a particular type of information for input, at a device without requiring the user to manually enter the particular type of information. (Specification at Page 7, Lines 5-16; Page 7, Line 19 – Page 8, Line 12; Page 10, line 1 – Page 11, line 6; and FIG. 1).

VI. GROUNDS OF REJECTION TO BE REVIEWED ON APPEAL

1. Claims 1, 3-4, 9-13, 15, 20-21, 23-24, 29-33, 35 and 40-42 stand rejected under 35 U.S.C. § 102(e) as allegedly being anticipated by U.S. Patent Application No. 2002/0065774 (“*Young*”).

2. Claims 5-8 and 25-28 stand rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over *Young* in view of Computer Organization and Design: The Hardware/Software Interface by Patterson et al. (“*Patterson*”).

VII. ARGUMENTS

A. Claims 1 and 21 are patentable over *Young*

Claim 1 is patentable over the *Young* because at least one element of Claim 1 is not disclosed, taught, or suggested by *Young*. It is respectfully submitted that the Office

Action's interpretation of Claim 1 is so broad that numerous express limitations of Claim 1 must be ignored in order to support the rejection based on *Young*.

Claim 1 features the elements of:

A method for reducing user input required to access a plurality of services provided to a device, comprising:
storing, external to said device and separate from a first service of the plurality of services, data records containing a plurality of data items associated with a particular type of information,
wherein the step of storing said data records comprises:
 receiving content, provided by one or more services, in response to being requested by the device;
 parsing the content in an attempt to identify one or more data items associated with said particular type of information;
 and
 when the one or more data items are identified, generating one or more data records that contain said one or more data items;
receiving a first message from said device requesting said first service, wherein said first service requires said particular type of information for input;
reading said data records and transmitting data to said device to cause said device to present a user interface allowing a particular data item of said plurality of data items to be selected;
receiving a second message indicating a selection from said device of said particular data item; and
sending said particular data item to said first service of said plurality of services. (emphasis added)

At least the above-bolded elements of Claim 1 are not disclosed, taught, or suggested by *Young*.

Advantageously, the approach of Claim 1 allows a user to use a plurality of services, which each require a particular type of information for input, at a device without requiring the user to manually enter the particular type of information.

Such an approach is not taught by *Young*. Instead, *Young* teaches an approach for performing an electronic transaction using a transaction proxy. *Young* teaches that a portal

15 comprises web pages. One or more merchant web sites, including a web site associated with merchant server 20, are accessible by the mobile phone 10 via the portal 15. An electronic wallet application 17, in communication with the portal 15, stores payment information for the user of the mobile phone 10. The payment information, stored in the electronic wallet application 17, was provided by the user, and may be supplied to a merchant server, such as merchant server 20, when the user purchases a product from the merchant. *Young* teaches that a merchant may maintain a product database that contains information about the products available from the merchant. (See Abstract, paragraphs 35-58).

The Office Action argues the element of “storing, external to said device and separate from a first service of the plurality of services, data records containing a plurality of data items associated with a particular type of information” is disclosed by *Young* by stating:

“a product database containing information about products, e.g., goods and services, associated with the product codes may reside on the transaction portal server 24 (*Young*, Fig. 2 and paragraph [0053]).”

Thus, according to the Office Action’s position, the storing of data records, external to the device and separate from the first service, as featured in Claim 1, are shown by the product database containing information about products residing at transaction portal server 24.

However, *Young* is silent with respect to how the product database is used or populated at the transaction portal server 24. In fact, to the extent that *Young* teaches providing a product database at a transaction portal server 24, *Young* states, *in toto*:

“In other embodiments, such a database may reside on the transaction portal server 24.” (paragraph 53, lines 11-13)

Significantly, the above-quoted sentence is the only suggestion in *Young* that such a product database may be provided by the transaction portal server 24. The entire disclosure of *Young*, except for the single above-quoted sentence, describes an approach where the product database resides at the merchant server 20. No description is provided in *Young* of how a product database, residing at the transaction portal server 24, stores data records.

Consequently, the logic of the Office Action, in attempting to cite other portions of *Young* to support the assertion that the elements of Claim 1 are taught by *Young*, simultaneously requires that (a) the product database of *Young* resides at the portal server 24, and (b) the product database of *Young* resides at merchant server 20. This argument is not supported by *Young*, which teaches the product database residing at the portal server 24 is in lieu of, not in addition to, the product database residing at the merchant server 20.

To illustrate, Claim 1 features the following elements that describe how the data records are generated and stored external to the device and separate from the first service:

**wherein the step of storing said data records comprises:
receiving content, provided by one or more services, in response to
being requested by the device;
parsing the content in an attempt to identify one or more data items
associated with said particular type of information; and
when the one or more data items are identified, generating one or more
data records that contain said one or more data items;**

The above features of Claim 1 advantageously allow the data records to be stored based on content, provided by the one or more services, in response to being requested by the device. The received content is parsed in an attempt to identify one or more data items associated with the particular type of information. When the one or more data items are identified,

one or more data records that contain the one or more data items are then generated and subsequently stored.

In sharp contrast to the features of Claims 1, as explained above, *Young* is silent with respect to how the product database is populated on the transaction portal server 24. Consequently, the Office Action does not cite a portion of *Young* that shows the performance of the above-quoted elements at the transaction portal server 24, but instead merely points to portions of *Young* that describe activities involving the product database when the product database is stored with the merchant service at merchant server 20. Thus, such activities fail to suggest the limitation of Claim 1 of “storing, external to said device and separate from a first service of the plurality of services” because the portions of *Young* cited to show the limitations of Claim 1 involving the storing of data records are performed at the service (the merchant’s service at merchant server 20), instead of being performed separate from the service.

Instead of showing the element of “receiving content, provided by one or more services, in response to being requested by the device,” the Office Action cites *Young* to show:

the portal 15 accesses a product database provided at a web server of the merchant 20 to retrieve information about the product associated with the product code 1129 requested by mobile phone 10 (*Young*, Fig. 2 and paragraph [0053], lines 1-8)

It is respectfully submitted that this argument cannot be supported for a variety of reasons. First, this argument requires that the product database of *Young* to simultaneously reside at both the portal transaction server 24 (as per the rejection of the “storing” element)

and at the merchant server 20 in the rejection of the present element. Second, while this cited portion of *Young* discusses retrieving product information from a product database residing at the merchant server 20 in response to a request from the mobile phone, this portion lacks any suggestion of storing the information anywhere other than the merchant server 20.

As a result, the limitation of “storing, external to said device and separate from a first service of the plurality of services” featured in Claim 1 is not satisfied by the disclosure of *Young*.

In showing the subject matter featured in the element of “parsing the content in an attempt to identify one or more data items associated with said particular type of information,” the Office Action argues:

the product data may comprise one or more data items available to the consumer such as associated merchants, short descriptions, various brand names, the colors available, the sizes available and the pricing for each option, etc. (*Young*, paragraph [0055], lines 1-6).

Significantly, as featured in Claim 1, this element is a step that is performed when storing the data records. On the other hand, this portion of *Young* lacks any suggestion of storing data records, external to the device and separate from a first service, by parsing the content, provided by a service in response to being requested by a device, in an attempt to identify one or more data items associated with a particular type of information.

Importantly, at best, this portion of *Young* merely teaches that a product database may contain a variety of product information. Further, nothing in this cited portion of *Young* discusses parsing any content, provided by a service, in an attempt to identify one or more data items associated with a particular type of information.

Consequently, it is respectfully submitted that the element of “parsing the content in an attempt to identify one or more data items associated with said particular type of information” is not disclosed, taught, or suggested by *Young*.

In showing the subject matter featured in the element of “when the one or more data items are identified, generating one or more data records that contain said one or more data items,” the Office Action argues:

when the consumer sends the purchase indication to the portal 15, inherently, the portal 15 generates one or more data records associated with the consumer, i.e., generates transaction records associated with the consumer, comprising the consumer’s indication of which of the options the consumer desires for example, gray coat, size XL. (*Young*, paragraph [0055], lines 8-11).

Significantly, as featured in Claim 1, this element is a step that is performed when storing the data records. On the other hand, this portion of *Young* lacks any suggestion of storing data records, external to the device and separate from a first service, by parsing the content, provided by a service in response to being requested by a device, in an attempt to identify one or more data items associated with a particular type of information, and when the one or more data items are identified, generating one or more data records that contain said one or more data items.

Nowhere in the above-cited passage does the suggestion of storing data appear. Further, this passage lacks any suggestion of when one or more data items are identified, generating one or more data records that contain the one or more data items. At best, this passage teaches that the portal 15 receives a purchase indication, and the portal 15 may store the purchase indication. However, a purchase indication is not analogous to when one or more data items are identified by parsing content provided by one or more services

in response to being requested by the device, generating one or more data records that contain the one or more data items.

Consequently, it is respectfully submitted that the element of “when the one or more data items are identified, generating one or more data records that contain said one or more data items” is not disclosed, taught, or suggested by *Young*.

For at least the above reasons, it is respectfully submitted that at least one element featured in Claim 1 is not disclosed, taught, or suggested by the cited art. Therefore, Claim 1 is patentable over the cited art and is in condition for allowance.

Independent Claim 21 recites features similar to that of Claim 1, except that Claim 21 is recited in computer-readable medium format. Consequently, for at least the reasons given above with respect to Claim 1, it is respectfully submitted that Claim 21 is also patentable over the cited art and is in condition.

B. Claims 3-4, 9-13, 15, 20, 23-24, 29-33, 35 and 40-42 are patentable over
Young

Claims 3-4, 9-13, 15, 20, 23-24, 29-33, 35 and 40-42 are dependent claims, each of which depends (directly or indirectly) on one of independent Claims 1 and 21. Each of Claims 3-4, 9-13, 15, 20, 23-24, 29-33, 35 and 40-42 is therefore allowable for at least the reasons given above for the claim on which it depends. In addition, each of Claims 3-4, 9-13, 15, 20, 23-24, 29-33, 35 and 40-42 introduces one or more additional limitations that independently render it patentable.

For example, Claims 3 and 23 recite the features of:

“the step of receiving content includes receiving content requested in messages from said device;
said messages contain a particular identifier; and
the step of storing said one or more data records includes storing data records that are associated with said particular identifier”

The Office Action alleges *Young* shows these features by “the product database contains information about the product associated with the 1129 product code.” However, this argument overlooks that the step of storing the data records comprises “receiving content, provided by one or more services, in response to being requested by the device.” Thus, the content being parsed in an attempt to identify the one or more data items is received in response to the content being requested by the device. In contrast, the Office Action argues this is shown by a product database that contains information about products; but the information about products is stored in the product database prior to a request from the device, not in response to being requested by the device. Consequently, even if *Young* teaches what it is alleged to teach, the argument of the Office Action does not explain how *Young* teaches or suggests these elements.

As another example, Claim 41 and 42 each feature the element of “the step of storing data records containing a plurality of data items associated with a particular type of information includes storing a particular data record that contains one or more values previously provided to said device by a second service that is different from said first service.” Instead of showing a portion of *Young* that teaches this element, the Office Action argues this element is shown by “the transaction portal server 24 storing both the user’s shopping and payment information.” It is respectfully noted that a user’s shopping and payment information are provided by the user, not by a service. Further it is

respectfully submitted that this argument ignores the limitation of storing a particular data record that contains one or more values previously provided to the device by a second service that is different from the first service. Instead, the argument offered by the Office Action for rejecting Claims 41 and 42 does not contain a reference to two services, let alone “a first service that is different from a second service” as required by this element.

C. Claims 5-8 and 25-28 are patentable over *Young* in view of *Patterson*

Claims 5-8 and 25-28 are dependent claims, each of which depends (directly or indirectly) on one of independent Claims 1 and 21. Each of Claims 5-8 and 25-28 is therefore allowable for at least the reasons given above for the claim on which it depends. In addition, each of Claims 5-8 and 25-28 introduces one or more additional limitations that independently render it patentable.

For example, Claims 5 and 25 each further comprise the element of “deleting existing data records in response to storing said one or more data records when an amount associated with said data records reaches a predetermined threshold.” The portion of *Patterson* cited by the Office Action lacks any teaching or suggestion of a predetermined threshold for an amount of data records, which when reached, causes the deleting of existing data records. Instead, the portion of *Patterson* cited discusses an approach for determining which items in a cache to replace once a decision to replace those items has been made, but nothing in the cited portion of *Patterson* discusses deleting something in response to the occurrence of an event, let alone deleting existing data records in response

to storing the one or more data records, as claimed, when an amount associated with the data records reaches a predetermined threshold.

VII. CONCLUSION AND PRAYER FOR RELIEF

Based on the foregoing, it is respectfully submitted that the rejection of Claims 1, 3-4, 9-13, 15, 20-21, 23-24, 29-33, 35, and 40-42 under 35 U.S.C. § 102(e) being unpatentable over *Young* lacks the requisite factual and legal bases. Appellants therefore respectfully request that the Honorable Board reverse the rejection of Claims 1, 3-4, 9-13, 15, 20-21, 23-24, 29-33, 35, and 40-42 under 35 U.S.C. § 102(e) over *Young*. It is further respectfully submitted that the rejection of Claims 5-8 and 25-28 under 35 U.S.C. § 103(a) as being unpatentable over *Young* in view of *Patterson* lacks the requisite factual and legal bases. Appellants therefore respectfully request that the Honorable Board reverse the rejection of Claims 5-8 and 25-28 under 35 U.S.C. § 103(a) over *Young* in view of *Patterson*.

Respectfully submitted,

HICKMAN PALERMO TRUONG & BECKER LLP



Christopher J. Brokaw

Reg. No. 45,620

Date: October 13, 2005

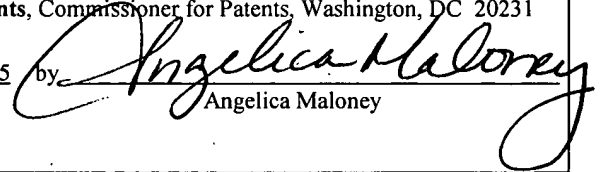
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by


Angelica Maloney

CLAIMS APPENDIX

1. A method for reducing user input required to access a plurality of services provided to a device, comprising:

storing, external to said device and separate from a first service of the plurality of services, data records containing a plurality of data items associated with a particular type of information,

wherein the step of storing said data records comprises:

receiving content, provided by one or more services, in response to being requested by the device;

parsing the content in an attempt to identify one or more data items associated with said particular type of information; and

when the one or more data items are identified, generating one or more data records that contain said one or more data items;

receiving a first message from said device requesting said first service, wherein said first service requires said particular type of information for input;

reading said data records and transmitting data to said device to cause said device to present a user interface allowing a particular data item of said plurality of data items to be selected;

receiving a second message indicating a selection from said device of said particular data item; and

sending said particular data item to said first service of said plurality of services.

3. The method of claim 1, wherein:
the step of receiving content includes receiving content requested in messages
from said device;
said messages contain a particular identifier; and
the step of storing said one or more data records includes storing data records that
are associated with said particular identifier.
4. The method of claim 1, wherein the step of storing said one or more data records
containing said data items is performed transparent to a user of said device.
5. The method of claim 1, further comprising the step of deleting existing data
records in response to storing said one or more data records when an amount
associated with said data records reaches a predetermined threshold.
6. The method of claim 5, further comprising the step of selecting which existing
data records to delete based on a sequence associated with said existing data
records.
7. The method of claim 6, wherein said sequence reflects when data items within
said existing data records were most recently selected.
8. The method of claim 6, wherein said sequence reflects when said existing data
records were generated.
9. The method of claim 1, wherein:

the content includes tags; and

the step of identifying, within said content, data items associated with said

particular type of information is performed based on said tags.

10. The method of claim 1, wherein the step of transmitting data to said device to cause said device to present a user interface includes transmitting data to said device to cause said device to present a user interface that displays a first subset of said plurality of data items.
11. The method of claim 10, further comprising the step of transmitting data to said device to cause said device to present an option for causing said list to be updated to display a second subset of said plurality of data items.
12. The method of claim 1, wherein said particular data item identifies a particular address.
13. The method of claim 1, wherein
said data records are stored in a database with data that associates the data records
with an identifier,
the method includes the steps of
extracting the identifier from said first message; and
locating said data records based on said identifier.
15. The method of claim 1, wherein said step of storing said data records further comprises:

receiving data items associated with said particular type of information from said device; and

storing said plurality of data items received from said device.

20. The method of claim 1, wherein

the data records are stored on a server;

the device is connected to the server through a connection that includes at least a portion that is wireless; and

said step of storing said data records further comprises

receiving data items associated with said particular type of information

from a second device that is connected to said server with a

connection that is not wireless; and

storing said plurality of data items with an identifier associated with said device.

21. A computer-readable medium carrying instructions for reducing user input

required to access a plurality of services provided to a device, the instructions comprising instructions for performing the steps of:

storing, external to said device and separate from a first service of the plurality of services, data records containing a plurality of data items associated with a particular type of information,

wherein the step of storing said data records comprises:

receiving content, provided by one or more services, in response to being requested by the device;

parsing the content in an attempt to identify one or more data items associated with said particular type of information; and

when the one or more data items are identified, generating one or more data records that contain said one or more data items;

receiving a first message from said device requesting said first service, wherein said first service requires said particular type of information for input;

reading said data records and transmitting data to said device to cause said device to present a user interface allowing a particular data item of said plurality of data items to be selected;

receiving a second message indicating a selection from said device of said particular data item; and

sending said particular data item to said first service of said plurality of services.

23. The computer-readable medium of claim 21, wherein:

the step of receiving content includes receiving content requested in messages from said device;

said messages contain a particular identifier; and

the step of storing said one or more data records includes storing data records that are associated with said particular identifier.

24. The computer-readable medium of claim 21, wherein the step of storing said one or more data records containing said data items is performed transparent to a user of said device.
25. The computer-readable medium of claim 21, further comprising instructions for performing the step of deleting existing data records in response to storing said one or more data records when an amount associated with said data records reaches a predetermined threshold.
26. The computer-readable medium of claim 25, further comprising instructions for performing the step of selecting which existing data records to delete based on a sequence associated with said existing data records.
27. The computer-readable medium of claim 26, wherein said sequence reflects when data items within said existing data records were most recently selected.
28. The computer-readable medium of claim 26, wherein said sequence reflects when said existing data records were generated.
29. The computer-readable medium of claim 21, wherein:
the content includes tags; and
the step of identifying, within said content, data items associated with said
particular type of information is performed based on said tags.

30. The computer-readable medium of claim 21, wherein the step of transmitting data to said device to cause said device to present a user interface includes transmitting data to said device to cause said device to present a user interface that displays a first subset of said plurality of data items.
31. The computer-readable medium of claim 30, further comprising instructions for performing the step of transmitting data to said device to cause said device to present an option for causing said list to be updated to display a second subset of said plurality of data items.
32. The computer-readable medium of claim 21, wherein said particular data item identifies a particular address.
33. The computer-readable medium of claim 21, wherein
said data records are stored in a database with data that associates the data records
with an identifier,
the computer-readable medium includes instructions for performing the steps of
extracting the identifier from said first message; and
locating said data records based on said identifier.
35. The computer-readable medium of claim 21, wherein said step of storing said data records further comprises:
receiving data items associated with said particular type of information from said
device; and

storing said plurality of data items received from said device.

40. The computer-readable medium of claim 21, wherein
the data records are stored on a server;
the device is connected to the server through a connection that includes at least a
portion that is wireless; and
said step of storing said data records further comprises
receiving data items associated with said particular type of information
from a second device that is connected to said server with a
connection that is not wireless; and
storing said plurality of data items with an identifier associated with said
device.
41. The method of Claim 1, wherein:
the step of storing data records containing a plurality of data items associated with
a particular type of information includes storing a particular data record
that contains one or more values previously provided to said device by a
second service that is different from said first service; and
the step of sending said particular data item to said first service includes sending
to said first service a value read from said particular data record.
42. The computer-readable medium of Claim 21, wherein:
the step of storing data records containing a plurality of data items associated with
a particular type of information includes storing a particular data record

that contains one or more values previously provided to said device by a
second service that is different from said first service; and
the step of sending said particular data item to said first service includes sending
to said first service a value read from said particular data record.